

# BNL ENVIRONMENTAL MANAGEMENT SYSTEM

## OPERATIONAL CONTROLS FORM

<b>OPERATIONAL CONTROL FOR SIGNIFICANT ENVIRONMENTAL ASPECTS:</b> <u>COOLING WATER OPERATIONS/MIXED BED</u> <u>REGENERATION: HAZARDOUS AND INDUSTRIAL WASTE</u> <u>GENERATION; LIQUID DISCHARGE; CHEMICAL STORAGE.</u>	<b>COMPLETED BY:</b> <u>ANDREW ACKERMAN</u> <b>DATE:</b> <u>MAY 3, 2000</u>  <b>PAGE 1 OF 2</b>
<b>1. Operation:</b>  NSLS Cooling Water Operation: Ion Exchange System Regeneration PEP Process ID: NSLS-461-IES-01&02.	
<b>2. Activities:</b>  <div style="margin-left: 40px;"> 1) Storage of chemicals.  2) Dispensing and use of chemicals.  3) Characterization and disposal of chemicals and wastewater.  4) Spent resin disposal. </div>	
<b>3. Operational Controls:</b>  <div style="margin-left: 40px;"> 1) Secondary containment.  2) Chemical Management System.  3) Tier 1 Inspection.  4) NSLS procedure to test resistivity and re-charge low pressure copper water system deionizer. (SLS-07.114-3) </div>	
<b>4. Maintenance Plan:</b> Not Applicable	
<b>5. Actions to be Taken if Controls Fail:</b>  <div style="margin-left: 40px;"> 1) Small chemical spills are handled by water system mechanical engineering staff.  2) Large chemical spills are reported to BNL Emergency Services – X2222. </div>	
<b>6. Records:</b>  <div style="margin-left: 40px;"> 1) Analytical results for ion exchange regeneration wastes.  2) Chemical Management System database.  3) This Operational Control Form.  4) SLS-07.114-3  5) Tier I database </div>	

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<b>6) Waste disposal forms:</b> Waste Management Division.	
<b>7. Responsibilities:</b>	
<b>Name</b>	<b>Responsibility</b>
NSLS Water Systems Engineer	Assure proper use of secondary containment and Chemical Management System. Assure implementation of mixed bed regeneration and waste disposal procedures.
NSLS Mechanical Engineering Group Technicians	Adhere to BNL waste disposal requirements. Act to control and report chemical spills.
NSLS Safety Engineer	Complete Tier 1 inspections. Track corrective actions. Maintain supply of spill control materials.
NSLS Industrial Hygienist	Review analytical data and determine waste disposal requirements.
<b>8. Training:</b> Personnel have complete Job Training Assessments (JTA's)	